

Conformation of compounds with two geminal halomethyl groups

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Abstract

1. According to the data of the dipole moments, Kerr effects, light scattering, and IR spectra, 1,3-dihalopropanes symmetrically substituted in the 2-position are represented in CCl₄ by conformers with trans-gauche and gauche-gauche (with an arrangement of the halogen atoms on different sides of the plane of the carbon atoms) orientations of the X-C-C-C-X chain. 2. 1, 2,3-Trihalopropanes exist chiefly in a gauche-gauche conformation. © 1974 Consultants Bureau.

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